



## **RAW SEQUENCE LISTING ERROR REPORT**

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Application Serial Number: 09/914549A  
Source: PCT09  
Date Processed by STIC: 7/16/02

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
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Revised 01/29/2002



Does Not Comply PCT09  
Corrected Diskette Needed

See p. 4 for  
Explanation of  
Errors,

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/914,549A

DATE: 07/16/2002  
TIME: 15:36:58

Input Set : A:\K3008.txt  
Output Set : N:\CRF3\07162002\I914549A.raw

W--> 1 SEQUENZPROTOKOLL *-delete*  
4 <110> APPLICANT: Poustka, et al.  
6 <120> TITLE OF INVENTION: Protein (TP) That is Involved in the Development of the Nervous System  
7 System  
9 <130> FILE REFERENCE: 4121-129  
11 <140> CURRENT APPLICATION NUMBER: US/09/914,549A  
C--> 12 <141> CURRENT FILING DATE: 2002-06-05  
14 <150> PRIOR APPLICATION NUMBER: PCT/DE00/00583  
15 <151> PRIOR FILING DATE: 2000-02-28  
17 <150> PRIOR APPLICATION NUMBER: DE 199 08 423.8  
18 <151> PRIOR FILING DATE: 1999-02-26  
20 <160> NUMBER OF SEQ ID NOS: 39  
22 <170> SOFTWARE: PatentIn Ver. 2.0

#### ERRORED SEQUENCES

5291 <210> SEQ ID NO: 39  
5292 <211> LENGTH: 81369  
5293 <212> TYPE: DNA  
5294 <213> ORGANISM: Homo sapiens  
5296 <400> SEQUENCE: 39  
5299 gatcagactt tgaagagtgt ttgtaccatg ctaaagttaa cagaatttat tctgtctctt 60  
E--> 5301 tgagggtgca ttgcaaatcc aggctagagg gagagatacc agttaggana gtacagcaat 120  
5303 actctactgg gaaatgggtga ggtgtttcgt gaagacaatg gcaacacaga tgaagacatg 180  
5305 cagatggagg aaataaagat ccagttgagc ttgttggcca gttggataga ggttgagggt 240  
5307 atgcatgatg gagcaatcta ggtttttgtc ttgggttaggt gtttccatga tagtactcag 300  
5309 aatgaatcat atagttgtac aggttgaatc ccacccatgt ttgcacaata gagtgaactgt 360  
5311 ctactgaaa tccagatgac actctgtatg ctaagctatg ctccatggaa ctgtataaag 420  
5313 gcacttgcta cataggctag tggcagatct ggaagtaacc tatatggtat ataggaaatg 480  
5315 aggtggcttt tgtataaatc ctacagataa atttcatttc ctgacccat tattttgact 540  
5317 catgttagcc caagaagagt attcagtact tcatatccct gaaggtaaga cagagtagta 600  
5319 ttagattcac tatttggcaa ataaaaggga tcaagtccta agatcaagct gatgaatcaa 660  
5321 cacctcatag gatattgtcc aaccaattat atggcttccc ctataaataa aatctagttc 720  
5323 tcttctctgg agaggaacag tgaagaatat cataacctat gctacaaact gottgagtag 780  
5325 gagctacttc tctccaaggc tttatatcat tcattctggc agggccctct gtttgttctc 840  
5327 accagctcct gggaaattta tttctcctct agtgatataa aagctctctg tttgagatga 900  
5329 agggctgccc agtttatcag atctgtatta gtctgttctc aggtctgctaa taaagacata 960  
5331 cctgagactg agtaatttat gaaggaaaga ggtttaattg actcacagtt ccacatggct 1020  
5333 ggggaggcct cacaatcatg gcgaaagact aataaggagc aaagtcacat cttacatggc 1080  
5335 tgcagacaag agagcatgtg caggggaact gctctccata aaaccatcag atcttgtgag 1140  
5337 acttgttcac tattacaaga acaacagaca ggaaaaccgc cccctcaat tcaattacct 1200  
5339 gccactggga ccctcccaca acacatgggg attatgagag ctacaattca agatgagatt 1260

## RAW SEQUENCE LISTING

DATE: 07/16/2002

PATENT APPLICATION: US/09/914,549A

TIME: 15:36:59

Input Set : A:\K3008.txt

Output Set: N:\CRF3\07162002\I914549A.raw

5439	accaaaacca	accatcatga	ggattattca	agtaatgtgt	ttaaacaanaa	gaattttgtaa	4260
5441	taaaattact	ttatctcctt	tgtgatttca	gcccatttaa	aaaaaataga	tgttttctact	4320
5443	ctccttcaga	tatcattaaa	acataaaactt	gtgcctgact	gcataaatcc	cttttaaaact	4380
5445	aatatcactt	attacgttta	actaagtcta	cctagggtct	ccttgataaa	agaacaagag	4440
5447	ctttccattt	tttgtttacc	tagccctttc	tgatgccacg	acagaatagc	tgtaaatctt	4500
5449	cattatttat	attctagaga	aaataaaaagc	aaataaaaag	gtcagtgtat	aaagtttatt	4560
5451	ggttgttctc	tttactcaaa	accacatgg	tattaatgtt	agtctctatg	aatatttcat	4620
5453	ggataaaatc	agagcattaa	gtgcatacta	aaaacaataa	gaatggaaaag	actttaacct	4680
5455	tatgtttata	tgaattttcta	ggttatcaag	aagtttatag	gctataggct	ataaagtctt	4740
5457	aggctatgat	atagtaacct	aatgtagact	tcccttgata	catgaaaata	atgggtactaa	4800
5459	gtacaaacag	aagatgagct	taaaattatt	ctttgagtc	tcttgatgga	ttttttcccc	4860
5461	cacactttcc	ccaaaattgt	tttatgccta	tattgttaga	gaccatgcaa	gagacctaga	4920
5463	gtctcttttt	ctttcatcac	tttccaatca	acagcaaact	ctatcatttt	taccacaaaa	4980
5465	tatatcttga	aactcccttc	ttttgattta	cttgtaactc	cccatcaaaa	actgaagagt	5040
5467	gtcacataac	ttcatthaagt	tccctacttg	cactctacct	ttaatatatt	tgtagcacta	5100
5469	aaatgttttt	aaaacatata	tctgcttatg	tcatttttact	gtcacaatact	atctgatttt	5160
5471	ctattgcact	tctaagatac	tctaatttct	tagcactcta	tataaaatcc	tttaagggct	5220
5473	tccctgctca	ccttttcaga	ctcagaacta	tgatattcct	tttgccctgt	gtacttgta	5280
5475	cactggattc	ttgatttttg	ttacttccag	gtttttacac	ttatttttac	aataaatgtg	5340
5477	aaataccctt	tttgacaata	tctacaaata	tttcttattt	gtcttttattg	ctcttttctg	5400
5479	taatgtttag	tcttcatattt	cctgataatg	gctatctaaa	gttatctcct	caaagaagca	5460
5481	gttattttatt	cacccaaatc	tctagtctct	caatttgagg	tgtagaatg	agggaaataa	5520
5483	ttgggttttg	ccacaatttg	taataatttg	gtaagattgg	attcgttatt	gattttattc	5580
5485	tcacaggtaa	tgactatagt	ttgtgactat	gtaagattgg	attcgttatt	gattttattc	5640
5487	acaaacactg	aggcactgca	tttagccaaa	tgccaatctt	gggcagtgag	actctgaaag	5700
5489	agaatctgct	tccccacca	taaactacaa	agtgaacaaa	ctcagaatgt	acataaatta	5760
5491	cagaatgaaa	gcacactaga	agtaaacaca	gatgtggaag	aggtaaaagt	tccttgaaaa	5820
5493	tcatggaaa	attcataaag	ggaatgacat	ttcaactgga	ttctaaacca	gttattcaag	5880
5495	ctccacaagg	ttgcacagta	aatgagcagt	ggcaggatga	cataccttag	aaagtaaaag	5940
5497	gaatcttttt	taaaactgcta	taaaaatcat	tacatataca	ttttgtaggt	cgagagtaag	6000
5499	gtattttaaca	taaaatcatt	ttagtatatc	agtgtttata	tagacttagg	tttttctcat	6060
5501	ttaaaacctc	ttttaatgac	ttgtgctttt	cttcatggta	ataaaaacatt	ttcccaggaa	6120
5503	gtgctgaata	aatctttctt	gaaatacgtt	ttattgcttt	ctatcaatga	ccctgaagta	6180
5505	atacagaatt	tacacttcag	cggttgcaat	gtcacaactt	gacaggtaat	gcactgtgtt	6240
5507	tgctgatata	agaggtatga	tgtagggcta	agtggttttg	tgctcattta	gctttcagga	6300
5509	gaaaataatt	gacttaacat	tttgatacta	aaacccaaaag	cctaacagtt	aattcttggt	6360
5511	attttaaaatt	attattgcaa	agattattgt	gccgaataat	atgaaaatat	tttatataat	6420
5513	attttaaaaag	tatatctctt	tcttggtatt	attttaaatta	ccataaaaaat	gtgcgaaaaa	6480
5515	gttatactga	aatgtgatag	gatcttttaa	aagtgggtgc	ttgattttgt	taagtgttac	6540
5517	ctagttttcc	tctgaaaaaca	agaaacatac	ccagaagttt	tcaogaaatg	gtctcatgaa	6600
5519	tatctaaggt	tagtccgtag	tctcatctga	gacaaggaaa	gtcccttcca	ctatgagcct	6660
5521	gtaaaatcac	aagcaagcta	gttacttctt	agatacaatg	ggagtactgg	tattgggtaa	6720
5523	acacagctgt	ttcaaatggg	agaaattggc	caaaattaat	gggttacagg	gcatgcaatt	6780
E--> 5525	ccgaaatcca	tctgggcagt	caaattgtaa	aactccaaaa	tgatntcttt	tgactccatg	6840
E--> 5527	tntcacatcc	aggacatgct	gangcaagag	ataggttccc	ataatctttg	gcagctctgc	6900
5529	ccctgtggct	ttgcagggta	tatcaccctt	cccagctgct	ttcacaggct	ggcattgagt	6960
5531	gtctgtggct	ttcccaggaa	caagggtgcaa	gctgttggtg	gatctaccat	tctggggttt	7020
5533	ggaggatgat	ggccctcttc	tcatagctcc	actagggcct	gctccagtag	agactctgtg	7080
5535	ggggctctga	ccccagattt	ccctcctgca	ctgccctagc	agagattctt	catgagggcc	7140

## RAW SEQUENCE LISTING

DATE: 07/16/2002

PATENT APPLICATION: US/09/914,549A

TIME: 15:36:59

Input Set : A:\K3008.txt

Output Set: N:\CRF3\07162002\I914549A.raw

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7987 tttgctagtg atataattta tgatattgat caatagctaa atagcccagg ggaagatact 80700
7989 gttactgcga aaaattttaa aacaatggag tcaatgattt cttttaatac caaaaaaaaa 80760
7991 atgtagattt tgagtaaata caactcttga tgaaatccag acataattat cagaggattt 80820
7993 tactggagtg ctttctacaa ataataaaag aaatatcttt ttatcttaaa aaatgtttat 80880
7995 acaggtaata ttttaaaata ctgatcagcc ttcattccct tgatttgtaa ttccacactc 80940
E--> 7997 tttcatgttt ctgcaagggt aactctagag gaagtgaggt gaanataaac cgtggacaat 81000
E--> 7999 ttggcatgga tntataaaaa aaccctacct tggcatgaat gctatccatt ttggcagtag 81060
8001 gcttttatac cttttaaaac agattacctt gtatgtcttt tctttgtgtc ttttcatttt 81120
8003 aatctcaa at ttaaagaga tgtaaaacca ctttctgaat agagctgtag gggataccaa 81180
8005 ttctgggttt gagtagtctg gggttggaaa atttgaatag aaaaatcaca attaataag 81240
8007 tgttaggtga atttgatttc attttgcttt ttaagtttgt actgtcagca ggacatgact 81300
8009 tgattgtagc gctaaagtgg ccatttaaaa caaattgcct tgaagagaga agcattggga 81360
8011 atggagatc 81369
```

## VARIABLE LOCATION SUMMARY

DATE: 07/16/2002

PATENT APPLICATION: US/09/914,549A

TIME: 15:37:00

Input Set : A:\K3008.txt

Output Set: N:\CRF3\07162002\I914549A.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:39; N Pos. 109,6825,6842,6863

Seq#:39; N Pos. 80984,81012

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/914,549A

DATE: 07/16/2002

TIME: 15:37:00

Input Set : A:\K3008.txt

Output Set: N:\CRF3\07162002\I914549A.raw

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:153 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:157 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:161 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:165 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:169 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:173 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:177 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:181 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:185 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:189 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:193 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:197 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:201 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:206 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:210 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:214 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:218 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:222 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:226 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:230 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:234 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:238 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:242 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:246 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:250 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:254 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:258 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:262 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:266 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:270 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:274 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:278 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:282 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:286 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:446 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:450 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:454 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:458 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:462 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:466 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:470 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:474 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:478 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:482 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:486 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:490 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7

## VERIFICATION SUMMARY

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Input Set : A:\K3008.txt

Output Set: N:\CRF3\07162002\I914549A.raw

L:494 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:498 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:502 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:506 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7  
L:5301 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:39  
M:340 Repeated in SeqNo=39